

**DIP SWITCH CONFIGURATION FOR INCREASED USABILITY WITH  
MULTIPLE CARDS**

**ABSTRACT**

A backplane includes two data buses and two slots, each slot having two  
5 connectors, where each connector in the slot connects to a different data bus. The  
slots are adapted to receive two bus controller cards each having two backplane  
connectors, where the installed orientation of one card is opposite from the other  
installed card. On a particular bus controller card, each backplane connector is  
associated with a different data bus, depending on the slot into which the card is  
10 inserted. After insertion into a slot in the mass storage unit, a card recognizes the data  
bus connected to each backplane connector via the slot, and defines the relationship  
between the setting of each switch and control signals relating to the card and the  
backplane. The DIP switch settings for a card can then remain the same, independent  
of the particular slot into which the card is inserted.

15